

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application. No. : 10/782,435 Confirmation No. 6412  
Applicant : Pramod B. Mahajan  
Filed : 02/18/2004  
TC/A.U. : 1638  
Examiner : Ibrahim, Medina Ahmed  
Docket No. : 1121C  
Customer No. : 27310  
Title : RuvB Polynucleotides and Uses Thereof

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JAN 25 2005

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT**

In response to the Office Action of August 25, 2004, please amend the above-identified application as follows:

**Amendments to the Specification** begin on page 3 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 5 of this paper.

**Remarks/Arguments** begin on page 10 of this paper.

An **Appendix** is attached following page 16 of this paper. **Appendix A** (6 pages) comprises Kurokawa et al. (DNA Sequence 10(1):37-42 1999). **Appendix B** (6 pages) comprises the results of a keyword search of NBCI nucleotide database.

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TO: MAIL STOP AMENDMENT  
COMMISSIONER FOR PATENTS  
U.S. PATENT AND TRADEMARK OFFICE

FROM: VIRGINIA DRESS

RE: U.S. PATENT APPLICATION SERIAL NO. 10/782,435  
ATTORNEY DOCKET NO. 1121C

DATE: 01/25/05 FAX NUMBER: (703) 872-9306

NUMBER OF PAGES FOLLOWING THIS SHEET: 39

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Application Number	10/782,435
Filing Date	02/18/2004
First Named Inventor	Pramod B. Mahajan
Art Unit	1638
Examiner Name	Ibrahim, Medina Ahmed
Attorney Docket Number	1121C

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## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Appendix A, B, and C
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	
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<input type="checkbox"/> Reply to Missing Parts under 37 CFR1.52 or 1.53		
	<b>Remarks</b>	

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

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Serial No. 10/246,581  
Amendment Dated 01/25/2005  
Reply to Office Action Dated 08/25/2004

**Appendix C** comprises a PileUp multiple sequence alignment (3 pages); a HmmerPfam motif analysis; and Bateman *et al.* (Nucleic Acids Res. 28(1):263-266 2000).